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***Cz2Tg*/+ (AB) (CZRC catalog ID: CZ74)**

Nature of the mutation

Cz2Tg Is generated by random integration of a fusion GFP-containing construct. This line expresses GFP under control of the T cell-specific tyrosine kinase (lck) promoter (Langenau, Ferrando et al. 2004).

Genotyping assay

1. Genotyping of the *cz2Tg* allele is based on the fluorescent microscope. As identified by fluorescent microscope, the GFP fluorescence signal is detectable at 5 dpf.

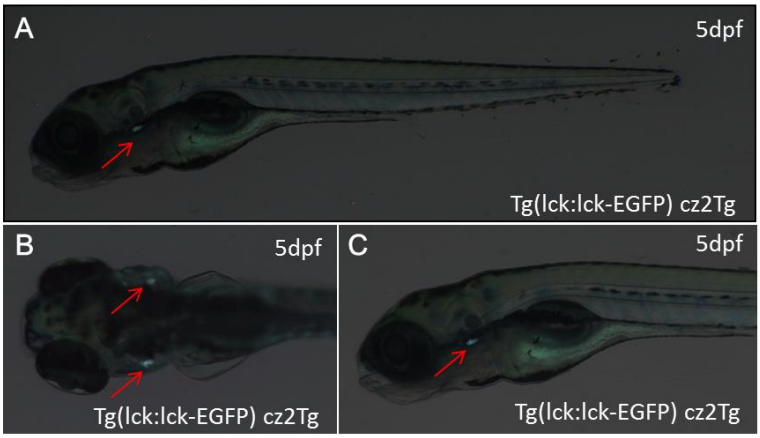

Figure. The *cz2Tg* line expresses GFP in the thymus at 5 dpf.
The figure shows the lateral view (A and C) and dorsal view (B) of *cz2Tg* embryos at 5 dpf.

2. Genotyping of the *cz2Tg* line can also be performed via allele-specific PCR using eGFP-specific primers (Sense primer: GTAAACGGCCACAAGTTCAG, antisense primer CTCGTTGGGGTCTTTGCT, the length of PCR fragment is 576 bp).

Reference

Langenau, D. M., A. A. Ferrando, et al. (2004). "In vivo tracking of T cell development, ablation, and engraftment in transgenic zebrafish." Proc Natl Acad Sci U S A **101**(19): 7369-7374.